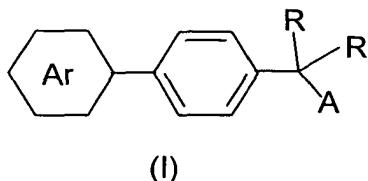


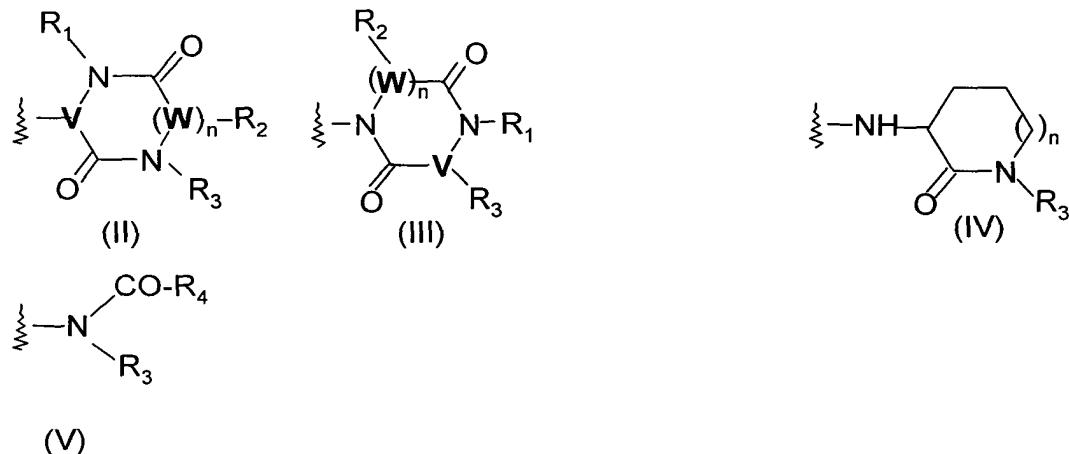
CLAIMS

1. A bisaryl derivative of the formula I,



wherein (R,R) is selected from (H,H), O, (H,CH₃), (H,OH) and (H,CN); and wherein

A is a group of formula II, III, IV or V:



wherein

n is 0, 1, or 2;

R₁ is H, (C₁-C₆)alkyl;

V is CH or N;

W is CR_2' or **N** if **n** is 1 and **W** is CR_2' if **n** is 2;

and \mathbf{V} and \mathbf{W} are not both \mathbf{N} :

R₂ and R₂' are independently H, (C₁-C₄)alkyl or -CH₂OH;

R₃ is (C₁-C₁₅) alkyl, which may optionally be branched or unbranched and optionally may contain a double or triple bond at one or more positions, or R₃ is -(CH₂)_q-O-(C₁-C₄)alkyl, -(CH₂)_q-(C₃-C₈)cycloalkyl, -(CH₂)_q-tetrahydrofuryl, -(CH₂)_q-thiophenyl, -(CH₂)_q-1,4-benzodioxol-6-yl.

-(CH₂)_q-phenyl, -(CH₂)_q-S-phenyl, or -(CH₂)_q-O-phenyl, wherein phenyl may be optionally substituted with (C₁-C₆)alkyl, (C₁-C₄) alkoxy, halogen, amino, or dimethylamino, wherein q is an integer of 1-10;

or R_3 is $-(CH_2)_x-C(O)-NR_5-R_6$ wherein

R₅ is H or (C₁–C₄)alkyl,

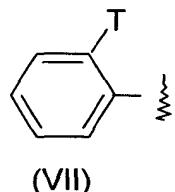
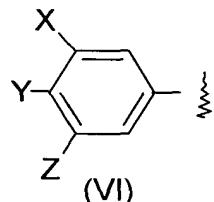
R₆ is -(CH₂)_p-O-(C₁-C₄)alkyl, -(CH₂)_p-(C₃-C₈)cycloalkyl, -(CH₂)_p-tetrahydrofuryl, -(CH₂)_p-thiophenyl, -(CH₂)_p-1,4-benzodioxol-6-yl, -(CH₂)_p-phenyl, -(CH₂)_p-S-phenyl, or -(CH₂)_p-O-phenyl, wherein phenyl may be optionally substituted with (C₁-C₆)alkyl, (C₁-C₄) alkoxy, halogen, amino, or dimethylamino,

wherein x and p are integers, and $x \geq 1$ and $p > 1$ and $x + p = 3 - 8$;

or R_3 is $-(CH_2)_y-C(O)-NR_5-(C_1-C_{12})$ alkyl, wherein the alkyl moiety may optionally be branched or unbranched and optionally may contain a double or triple bond at one or more positions, R_5 is as previously defined, y is an integer of 1-12 and the maximal chain length of R_3 is 15 atoms;

R₄ is (C₂-C₆)*n*-alkyl or (C₂-C₆)*n*-alkoxy;

and Ar is of the formula VI or VII:



wherein

(i) X, Y, Z are independently H, OH, (C₁-C₄)alkyl, (C₁-C₄)alkoxy, provided that at least one of X, Y and Z is not H; or

(ii) two of X, Y and Z are H, the other being $-\text{CHO}$, $-\text{CH}_2\text{-NR}_7\text{-CH}_2\text{-R}_8$ or $-\text{CH}_2\text{-NR}_7\text{-CO-R}_8$, wherein R₇ is H, (C₁-C₆)*n*-alkyl or $-(\text{CH}_2)_m\text{-O-(C}_1\text{-C}_4\text{)alkyl}$; R₈ is (C₁-C₄)alkyl, (C₁-C₄)alkoxy, (C₁-C₄)alkoxy-(C₁-C₄)alkyl, amino or (C₁-C₄)alkyl-NH₂; and m being 2-6; and

(iii) T is $-\text{CH}_2\text{-NR}_9\text{R}_{10}$, wherein R_9 is $(\text{C}_1\text{-C}_6)n$ -alkyl and R_{10} is $(\text{C}_2\text{-C}_5)\text{acyl}$, $(\text{C}_1\text{-C}_4)\text{alkoxycarbonyl}$ or $(\text{C}_1\text{-C}_4)\text{alkyl-NH-CO-}$.

2. The bisaryl derivative of claim 1, wherein (R,R) is (H,H).

3. The bisaryl derivative of claim 2, wherein A is a group of formula II.
4. The bisaryl derivative of claim 3, wherein
n is 0, 1, or 2;
R₁ is (C₁-C₄)alkyl;
V is CH;
W is CR₂' ;
R₂ and R₂' are independently H, (C₁-C₄)alkyl or -CH₂OH; and
R₃ is (C₁-C₁₅) alkyl, which may optionally be branched or unbranched and
optionally may contain a double or triple bond at one or more positions,
or R₃ is -(CH₂)_q-O-(C₁-C₄)alkyl, -(CH₂)_q-(C₃-C₈)cycloalkyl, -(CH₂)_q-phenyl, -
(CH₂)_q-S-phenyl, or -(CH₂)_q-O-phenyl, wherein phenyl may be optionally
substituted with (C₁-C₆)alkyl, (C₁-C₄) alkoxy, halogen, amino, or
dimethylamino, wherein q is an integer of 1-10;
or R₃ is -(CH₂)_x-C(O)-NR₅-R₆, wherein
R₅ is H or (C₁-C₄)alkyl,
R₆ is -(CH₂)_p-O-(C₁-C₄)alkyl, -(CH₂)_p-(C₃-C₈)cycloalkyl, -(CH₂)_p-phenyl,
-(CH₂)_p-S-phenyl, or -(CH₂)_p-O-phenyl, wherein phenyl may be optionally
substituted with (C₁-C₆)alkyl, (C₁-C₄) alkoxy, halogen, amino, or
dimethylamino,
wherein x and p are integers, and x is ≥ 1 and p > 1 and x + p = 3 - 8;
or R₃ is -(CH₂)_y-C(O)-NR₅-(C₁-C₁₂)alkyl, wherein the alkyl moiety may
optionally be branched or unbranched and optionally may contain a double or
triple bond at one or more positions, R₅ is as previously defined, y is an integer
of 1-12 and the maximal chain length of R₃ is 15 atoms.
5. The bisaryl derivative of claim 4, wherein n is 1; R₁ is methyl; and R₂ and R₂'
are independently H or methyl; and Ar is of the formula VI.

6. The bisaryl derivative of claim 5, wherein R_3 is $-\text{CH}_2\text{-C(O)-NH-(CH}_2\text{)}_p\text{-phenyl}$, wherein p is 2-4 and phenyl may be optionally substituted; and Ar is of the formula VI, wherein X, Y and Z are all methoxy, or X and Z are methoxy and Y is OH, or X and Y are both H, and Z is $-\text{CH}_2\text{-NR}_7\text{-CO-R}_8$.
7. The bisaryl derivative of claim 5, wherein R_3 is $(\text{C}_1\text{-C}_{15})\text{alkyl}$, which may optionally be branched or unbranched and optionally may contain a double or triple bond at one or more positions, or R_3 is $-(\text{CH}_2)_q\text{-O-(C}_1\text{-C}_4\text{)alkyl}$, $-(\text{CH}_2)_q\text{-}(\text{C}_3\text{-C}_8)\text{cycloalkyl}$, $-(\text{CH}_2)_q\text{-phenyl}$, $-(\text{CH}_2)_q\text{-S-phenyl}$, or $-(\text{CH}_2)_q\text{-O-phenyl}$, wherein phenyl may be optionally substituted with $(\text{C}_1\text{-C}_6)\text{alkyl}$, $(\text{C}_1\text{-C}_4)\text{alkoxy}$, halogen, amino, or dimethylamino; and Ar is of the formula VI, wherein X, Y and Z are all methoxy, or X and Z are methoxy and Y is OH, or X and Y are both H, and Z is $-\text{CH}_2\text{-NR}_7\text{-CO-R}_8$.
8. The bisaryl derivative of claim 7, wherein R_2 is methyl and R_2' is H or R_2 and R_2' are both methyl; R_3 is an unbranched $(\text{C}_7\text{-C}_{10})\text{ n-alkyl}$, optionally containing one or two double bonds, or R_3 is selected from $-(\text{CH}_2)_r\text{-CH(CH}_3)_2$, $-(\text{CH}_2)_r\text{-phenyl}$ and $-(\text{CH}_2)_t\text{-S-phenyl}$, r being 5-8 and t being 4-7; and Ar is of the formula VI, wherein X, Y and Z are all methoxy, or X and Z are methoxy and Y is OH, or X and Y are both H, and Z is $-\text{CH}_2\text{-NR}_7\text{-CO-R}_8$, wherein R_7 is $n\text{-butyl}$ or $-(\text{CH}_2)_2\text{-O-CH}_3$ and R_8 is $-\text{CH}_3$, $-\text{NHCH}_3$ or $-\text{OCH}_3$.
9. The bisaryl derivative of claim 8, wherein R_3 is $n\text{-octyl}$ and Ar is of the formula VI, wherein X and Y are both H, and Z is $-\text{CH}_2\text{-NR}_7\text{-CO-R}_8$, wherein R_7 is $n\text{-butyl}$ or $-(\text{CH}_2)_2\text{-O-CH}_3$ and R_8 is $-\text{CH}_3$, $-\text{NHCH}_3$ or $-\text{OCH}_3$.
10. The bisaryl derivative of claim 4, wherein n is 1, R_1 is $n\text{-butyl}$, R_2 and R_2' are independently H or methyl and R_3 is $-\text{CH}_2\text{-CO-NH-(C}_4\text{-C}_{10})\text{alkyl}$, wherein the alkyl moiety is branched or unbranched, or $-\text{CH}_2\text{-CO-NH-R}_6$, wherein R_6 is $-(\text{CH}_2)_p\text{-cyclohexyl}$ or $-(\text{CH}_2)_p\text{-phenyl}$, the phenyl being optionally substituted with $(\text{C}_1\text{-C}_6)\text{alkyl}$ or halogen and p being 2-4.

11. The bisaryl derivative of claim 2, wherein A is a group of the formula III.
12. The bisaryl derivative of claim 11, wherein n is 0 or 1, R₁ is H or methyl, V is CH, W is CH, R₂ is H or methyl, R₃ is (C₄-C₁₀)*n*-alkyl or -CH₂-C(O)-NH-(C₄-C₁₀)*n*-alkyl, and Ar is of the formula VI, wherein X, Y and Z are methoxy.
13. The bisaryl derivative of claim 2, wherein A is a group of formula IV.
14. The bisaryl derivative of claim 13, wherein Ar is of the formula VI, wherein two of X, Y and Z are H, the other being -CH₂-NR₇-CO-R₈, wherein R₇ is (C₁-C₆)*n*-alkyl and R₈ is (C₁-C₄)alkyl or (C₁-C₄)alkyl-NH-.
15. The bisaryl derivative of claim 14, wherein R₃ is -CH₂-CO-NH-R₆, wherein R₆ is -(CH₂)_p-phenyl, the phenyl being optionally substituted with halogen and p being 2-4.
16. The bisaryl derivative of claim 2, wherein A is a group of the formula V.
17. The bisaryl derivative of claim 16, wherein Ar is of the formula VII.
18. The bisaryl derivative of claim 17, wherein R₃ is -CH₂-CO-NH-(C₁-C₄)*n*-alkyl or -CH₂-CO-NH-(CH₂)_p-(C₃-C₈)cycloalkyl, p being 2-4.
19. A pharmaceutical composition comprising the compound of claim 1 and a pharmaceutically acceptable carrier.
20. A method of treating infertility comprising administering to a mammal a compound according to claim 1.
21. A method of preventing conception comprising administering to a mammal a compound according to claim 1.